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Publication number: **0 687 008 A2**

(12)

EUROPEAN PATENT APPLICATION

(31) Application number: 95108620.6

(51) Int. Cl. 9: H01L 23/495, H01L 21/48

(22) Date of filing: 06.06.95

(30) Priority: 06.06.94 US 254842

(33) Date of publication of application:
13.12.95 Bulletin 95/50

(54) Designated Contracting States:
DE FR GB

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(57) Method and apparatus for improving interfacial adhesion between a polymer and a metal

(57) A leadframe (11) and a method for improving adhesion of a polymer (17, 19) to the leadframe (11). The leadframe (11) has a flag (14) having a top surface (15) and a bottom surface (18), and leads (12). Microscopic locking features (31) are formed in the top surface (15) and the bottom surface (18) of flag (14) by bombarding the flag (14) with a grit material. Thus, the top and bottom surfaces (15, 18) are roughened. A semiconductor die (13) is attached to the flag (14) by a die attach material (17) and the flag (13), the semiconductor material (13), and portions of the leads (12) are encapsulated by a molding compound (19) to the leadframe (11).

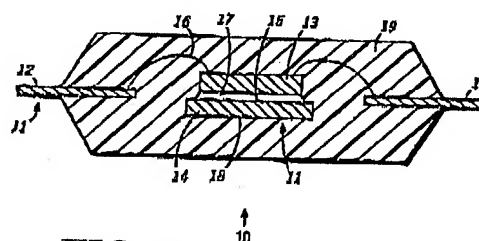


FIG. 1



FIG. 2

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